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## MATERIAL SAFETY DATA SHEET

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

Product Name	Borage Oil.				
Biological Definition	Borago Officinalis Seed Oil is the fixed oil obtained from the seeds of <i>Borago officinalis</i> L., <i>Boraginaceae</i> .				
INCI Name	Borago Officinalis Seed Oil.				
Synonyms & Trade Names	-				
CAS-No	225234-12-8	EC No.	Not available	EINECS No.	Not available

#### Relative identified uses of the substance or mixture and uses advised against

Cosmetics, Pharmaceuticals, Food.

#### 1.4 Emergency Tel. No.

+ 44 (0) 1260 222 943

### 02. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not classed as a hazardous substance.

#### Classification (EC 1272/2008)

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 and further amendments, nor to those having recognised exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard.

#### 2.2 Label Elements

##### Label in accordance with (EC) No 1272/2008

None.

Signal Word None.

Contains Contains no hazardous substances.

##### Hazard Statements

None.

##### Precautionary Statements

None.

##### Supplementary Precautionary Statements

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None.

## 2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	None.
Adverse effects on human health	None.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

**100% Borago Officinalis Seed Oil**  
CAS: 225234-12-8  
Classification: Not classed as a hazardous product.

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Not expected with this type of product. If discomfort occurs; seek medical advice.
Ingestion	Non toxic, edible product. If discomfort occurs; seek medical advice.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse. Seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

## 05. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Extinguishing media:

- Fire blanket,
- Carbon dioxide (CO<sub>2</sub>),
- Dry Chemical Powder or foam.

Unsuitable extinguishing media:

- Water jet.

### 5.2 Special hazards arising from the product

Formation of carbon monoxide is possible.

### 5.3 Advice for firefighters

In case of fire; Wear suitable respiratory protection.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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No special precautions required. Remove sources of ignition, provide adequate ventilation, avoid contact with skin and eye contact.

## 6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.

## 6.3 Methods and material for containment and cleaning up.

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations. Larger spillages may be pumped.

## 6.4 Reference to other sections

Section 8 and section 13.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep containers leak proof, tightly closed and dry, when not in use. Protect against sun/light. Prevent spills and leakages to avoid slip hazard. Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

### 7.2 Conditions for safe storage, including any incompatibilities

Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment. Keep containers tightly closed. Keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.

### 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Not applicable under normal working procedures.

### 8.2 Exposure controls

#### Protective Equipment



#### Process Conditions

No special measures required.

#### Engineering Measures

No special measures required.

#### Respiratory Equipment

In case of aerosol formation: use a dust mask filter.

#### Hand Protection

No special measures required under normal working conditions.

#### Eye Protection

Use safety glasses if at risk of splashing.

#### Other Protection

No special measures required.

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Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Wear protective equipment to protect from splashes and spills.
Skin Protection	No special measures required.
Environmental Exposure Controls	Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear, oily, liquid.
Colour	Pale yellow.
Odour	Characteristic.
Relative Density	Approx. 0.920 @ 20°C
Flash Point (°C)	>300
Refractive Index	Approx. 1.475 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure (mmHg)	< 0.01
Solubility in Water @20°C	Insoluble in water. Soluble in vegetable oil.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	
Stable under the recommended handling and storage conditions.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions. Becomes rancid on prolonged exposure to air.	
10.3 Possible hazardous reactions	
None.	
10.4 Conditions to Avoid	
Avoid oxidation promoting conditions (heat, UV light).	
10.5 Incompatible materials	
Avoid contact with strong acids, alkalis and oxidising agents.	
10.6 Hazardous Decomposition Products	
None.	

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## 11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Nontoxic product. Edible quality.
Skin corrosion / irritation	Nontoxic product. Edible quality. No negative effects expected.
Serious eye damage / irritation	Slight irritation may occur on eye contact.
Respiratory or skin sensitisation	Nontoxic product. Edible quality. No negative effects expected.
Germ Cell Mutagenicity	Nontoxic product. Edible quality. No negative effects expected.
Carcinogenicity	Nontoxic product. Edible quality. No negative effects expected.
Reproductive toxicity	Nontoxic product. Edible quality. No negative effects expected.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	Nontoxic product. Edible quality. No negative effects expected.
Photo-toxicity	Nontoxic product. Edible quality. No negative effects expected.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity	
	No additional data available.
12.2 Persistence & degradability	
	Readily biodegradable.
12.3 Bioaccumulation Potential	
	Not expected.
12.4 Mobility in soil	
	Floats on water. Immobilises by adsorption to soil particles.
12.5 Results of PBT and vPvB Assessment	
	No additional data available.
12.6 Other adverse effects	
	Do not allow product to enter streams, sewers or other waterways. Presents no ozone depletion potential and is CO2 neutral.

## 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
	No specific danger. Dispose according to local authority advice. May be burned together with household waste, if this is accepted by the authorities.

## 14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not applicable – nontoxic product.
UN No. SEA	Not applicable – nontoxic product.

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UN No. AIR	Not applicable – nontoxic product.
<b>14.2 UN proper shipping name</b>	
	No additional data available.
<b>14.3 Transport hazard class(es)</b>	
	Not restricted under Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport in drums or food tanks.
<b>14.4 Packing group</b>	
	No additional data available.
<b>14.5 Environmental hazards</b>	
	No hazard label necessary – non-hazardous product.
<b>14.6 Special precautions for user</b>	
	See sections 6 – 8.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
	Not defined.

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	<p><u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p><u>Approved Code Of Practice</u> Classification and Labelling of Substances and Preparations Dangerous for Supply.</p> <p><u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG (108).</p> <p><u>EU Legislation</u> Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p>
<b>15.2 Chemical safety assessment</b>	
	An assessment has not been carried out.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None.
Revision Date	03/01/2020
Rev No/Repl, SDS Generated	2

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.